

ABSTRACT

A system and method for enabling the efficient accessing of Java objects and methods by legacy GUIs is disclosed. The system and method provide a base proxy object that encapsulates the JNI APIs necessary for calling Java methods across the JNI boundary. Legacy proxy objects proxy the Java objects and enable legacy GUIs to issue method requests as if the legacy proxy objects were fully functional objects. The legacy proxy objects receive method requests from the GUIs and call base proxy object methods that in turn make the necessary JNI API calls to call Java methods.